Post-Construction Peak Flow

Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Developed 1. Runoff Curve Number (CN) Cover description CN Soil Group Area(Acre) Gravel Streets, Pads and Buildings 89 C 33.500 Grass (Good) 74 C 39.880 Woods (Good) 70 C 0.000 CN (weighted): 80.8 Total Area: 73.380 Acre 2. Runoff Return Period: 1 YEAR Rainfall, P: 2.48 in Runoff, Q: 0.9200 in Runoff Volume: 5.6255 Acre-Ft Time of Concentration (SCS) Fri Feb 07 15:50:37 2020 Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: 02/07/20 Curve Number : 81 Length of Flow : 5960.00 ft Average Land Slope : 1.21 % Time of Concentration : 49.946 hrs, 2996.8 mins Graphical Peak Discharge Fri Feb 07 15:56:56 2020 Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Oz/07/20 Location: Checked: Date: Oz/07/20			
Developed Developed	Runoff Curve Number ar	nd Runoff	Fri Feb 07 15:46:59 20:
Cover description CN Soil Group Area(Acre) Gravel Streets, Pads and Buildings Grass (Good) C 39.880 (Cood) AV C C C S C C C C C C C COOD) AV C C C C C C C C C C C C C C C C C C C	Project: WV PP II Location: Developed		
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Return Period: 1 YEAR Rainfall, P: 2.48 in Runoff, Q: 0.9200 in Runoff Volume: 5.6255 Acre-Ft Time of Concentration (SCS) Fri Feb 07 15:50:37 2020 Project: WV PP II By: Date: 02/07/20 Developed Curve Number : 81 Length of Flow : 5960.00 ft Average Land Slope : 1.21 % Time of Concentration : 49.946 hrs, 2996.8 mins Graphical Peak Discharge Fri Feb 07 15:56:56 2020 Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Developed 1. Data: Drainage area: A = 73.3800Acres Runoff Curve Number: CN = 81 Time of Concentration: Tc = 2996.76 min Storm Type: II Pond and swamp areas spread throughout watershed. 3.39 percent of A 2.4876 Acres 2. Frequency. 9r = 1 3. Rainfall, P(24-hour). in = 2.48 4. Initial abstraction, Ia. 2.48 4. Initial abstraction, Ia. 2.48 4. Initial abstraction, Ia. 2.48 6. Unit peak discharge, qucsm/in = 57.325 7. Runoff, Qin = 0.9282			
Project: WW PP II		2.48 in 0.9200 in	- Ft
Location: Checked: Date: 02/07/20 Developed Curve Number : 81 Length of Flow : 5960.00 ft Average Land Slope : 1.21 % Time of Concentration : 49.946 hrs, 2996.8 mins Graphical Peak Discharge Fri Feb 07 15:56:56 2020 Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Date: Developed 1. Data: Drainage area: A = 73.3800Acres Runoff Curve Number: CN = 81 Time of Concentration: Tc = 2996.76 min Storm Type: = II Pond and swamp areas spread throughout watershed = 3.39 percent of A 2.4876 Acres 2.4876 Acres 2. Frequency. yr = 1 3. Rainfall,P(24-hour) in = 2.48 4. Initial abstraction, Ia. = 0.4691 5. Compute Ia/P. = 0.1892 6. Unit peak discharge, qu. csm/in = 57.325 7. Runoff,Q. in = 0.9282	Time of Concentration (SCS)	Fri Feb 07 15:50:37 2020
Length of Flow : 5960.00 ft Average Land Slope : 1.21 % Time of Concentration : 49.946 hrs, 2996.8 mins Graphical Peak Discharge Fri Feb 07 15:56:56 2020 Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Developed 1. Data: Drainage area:	Location:	*	
Graphical Peak Discharge Fri Feb 07 15:56:56 2020 Project: WW PP II By: Date: 02/07/20 Location: Checked: Date: Developed 1. Data: Drainage area:	Length of Flow : 5	960.00 ft	
Project: WV PP II By: Date: 02/07/20 Location: Checked: Date: Developed 1. Data: Drainage area:	Time of Concentration	: 49.946 hrs, 2996	.8 mins
Location: Checked: Date: Developed 1. Data: Drainage area:	Graphical Peak Discharg	ge	Fri Feb 07 15:56:56 2020
Developed 1. Data: Drainage area:	Project: WV PP II	Ву:	Date: 02/07/20
1. Data: Drainage area:	Location:	Checked:	Date:
Drainage area:	Developed		
Runoff Curve Number:	1. Data:		
Time of Concentration:Tc = 2996.76 min Storm Type: = II Pond and swamp areas spread throughout watershed = 3.39 percent of A 2.4876 Acres 2. Frequency	Drainage area:	A = 73.3800A	cres
Storm Type: = II Pond and swamp areas spread throughout watershed	Runoff Curve Number	:CN = 81	
Pond and swamp areas spread throughout watershed	Time of Concentration	:Tc = 2996.7	76 min
throughout watershed	Storm Type:	=	
3. Rainfall,P(24-hour)in = 2.48 4. Initial abstraction, Ia = 0.4691 5. Compute Ia/P = 0.1892 6. Unit peak discharge, qucsm/in = 57.325 7. Runoff,Qin = 0.9282		= 3.39 pe	ercent of A
4. Initial abstraction, Ia = 0.4691 5. Compute Ia/P = 0.1892 6. Unit peak discharge, qucsm/in = 57.325 7. Runoff,Qin = 0.9282	2. Frequency	yr = 1	
5. Compute la/P = 0.1892 6. Unit peak discharge, qucsm/in = 57.325 7. Runoff,Qin = 0.9282	3. Rainfall,P(24-hour)	in = 2.48	
6. Unit peak discharge, qucsm/in = 57.325 7. Runoff,Qin = 0.9282	4. Initial abstraction, Ia	= 0.4691	
7. Runoff,Qin = 0.9282	5. Compute la/P	= 0.1892	
·	6. Unit peak discharge,	qucsm/in = 57.3	325
8. Pond & swap adjustment factor,Fp = 0.76	7. Runoff,Q	in = 0.9282	
	8. Pond & swap adjustm	nent factor,Fp = 0.	.76

9. Peak Discharge,qp.....cfs = 4.636